GGPGTATIC 01 JUN 2005

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

## (19) World Intellectual Property Organization

International Bureau



## 1 EURO 1 EUR

(43) International Publication Date 17 June 2004 (17.06.2004)

**PCT** 

(10) International Publication Number WO 2004/050073 A1

(51) International Patent Classification7: A61K 31/133

(21) International Application Number:

PCT/KR2003/002622

(22) International Filing Date: 1 December 2003 (01.12.2003)

(25) Filing Language:

Korean

(26) Publication Language:

English

(30) Priority Data: 10-2002-0076022

2 December 2002 (02.12.2002) KR

- (71) Applicant (for all designated States except US): DOOSAN CORPORATION [KR/KR]; 18-12, 6th St., Ulchi-ro, Chung-gu, 100-730 Seoul (KR).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): PARK, Chang Seo [KR/KR]; 710-401 Joogong-Apartment, Byulyang-dong, 427-040 Gwacheon-city, Gyonggi-do (KR). KIM, JinWook [KR/KR]; 102-306 Hanguk-Apartment, Poong-dukcheon-ri, Sooji-eup, 449-846 Yong-in city, Gyonggi-do (KR). SUHR, Ki-Beom [KR/KR]; 105-2003 Daejayeon-maul-Apartment, 990, Gwanjeo-dong, Seo-gu, 302-243 Daejeon-city (KR). LEE, Chang-Hee [KR/KR]; 780, Galma-dong, Seo-gu, 302-170 Daejeon-city (KR). LEE, Jeong-Hoon [KR/KR]; 107-807 Clover-Apartment,

Doonsan-dong, Seo-gu, 302-120 Daejeon-city (KR). PARK, Jang-Kyu [KR/KR]; 107-220 Clover-Apartment, Doonsan-dong, Seo-gu, 302-120 Daejeon-city (KR).

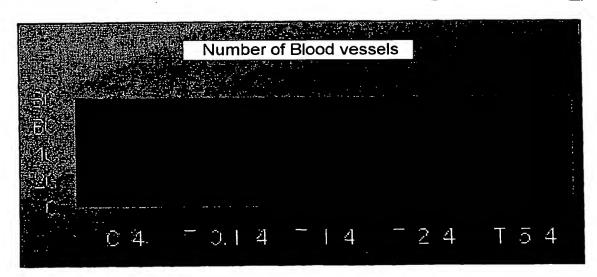
- (74) Agent: KIM, Sun-young; Korea Coal Center, 10th Floor, 80-6, Susong-Dong, Chongro-Ku, SEoul 110-727 (KR).
- (81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (regional): ARIPO patent (BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

## Published:

with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: INHIBITOR OF ANGIOGENESIS AND KIT FOR TREATING CANCER COMPRISING THE INHIBITOR



(57) Abstract: The inhibitor of angiogenesis is characterized by containing tetraacetylphytosphingosine and the kit for inhibiting angiogenesis is characterized by the inhibitor. The inhibitor and kit are effective in treating and preventing disorders in connection with extremely increased angiogenesis such as angioma, tumor and psoriasis by effectively inhibiting angiogenesis. Furthermore, they are effective in inhibiting proliferation of cancer cells and metastasis of cancer without any adverse effect.

